

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
Patent Application

Inventor(s): Engel et al. Group Art Unit: 2178

Filed: February 2, 2006 Examiner: Vaughn, G.

Application No.: 10/049,271

Title: DATA DISPLAY WITH MULTIPLE LAYERED SCREENS

Form 1449

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A	4,239,349	12-16-1980	Scheffer, Terry			
	B	4,294,516	10-13-1981	Brooks, Philip			
	C	4,333,715	06-08-1982	Brooks, Philip			
	D	4,371,870	02-01-1983	Biferno, Michael			
	E	4,472,737	09-18-1984	Iwasaki, Kenji			
	F	4,523,848	06-18-1985	Gorman et al.			
	G	4,568,928	02-04-1986	Biferno, Michael			
	H	4,648,691	03-10-1987	Oguchi et al.			
	I	4,649,425	03-10-1987	Pund, Marvin			
	J	4,712,869	12-15-1987	Claxton, John C.			
	K	4,947,257	08-07-1990	Fernandez et al.			
	L	5,091,720	02-25-1992	Wood, Roger			
	M	5,112,121	05-12-1992	Chang et al.			
	N	5,113,272	05-12-1992	Reamey, Robert			
	O	5,124,803	06-23-1992	Troxel, Donald			
	P	5,198,936	03-30-1993	Stringfellow, Steven			
	Q	5,255,028	10-19-1993	Biles, Kevin			
	R	5,283,560	02-01-1994	Bartlett, Joel			
	S	5,289,297	02-22-1994	Bollman et al.			
	T	5,333,255	07-26-1994	Damouth, David			
	U	5,361,165	11-01-1994	Stringfellow et al.			
	V	5,416,890	05-16-1995	Beretta, Giordano			
	W	5,465,101	11-07-1995	Akiba et al.			
	X	5,473,344	12-05-1995	Bacon et al.			
	Y	5,475,812	12-12-1995	Corona et al.			
	Z	5,585,821	12-17-1996	Ishikura et al.			
	A2	5,600,462	02-04-1997	Suzuki et al.			
	B2	5,638,501	06-10-1997	Gough et al.			
	C2	5,651,107	07-22-1997	Frank et al.			
	D2	5,663,746	09-02-1997	Pellenberg et al.			
	E2	5,675,755	10-07-1997	Trueblood, John			
	F2	5,694,532	12-02-1997	Carey et al.			
	G2	5,764,317	06-09-1998	Sadovnik et al.			
	H2	5,796,455	08-18-1998	Mizobata et al.			
	I2	5,805,163	09-08-1998	Bagnas, Emmanuel			
	J2	5,813,742	09-29-1998	Gold et al.			
	K2	5,825,436	10-20-1998	Knight, Kenneth			
	L2	5,828,420	10-27-1998	Marshall et al.			

	M2	5,831,615	11-03-1998	Drews et al.			
	N2	5,835,088	11-10-1998	Jaaskelainen Jr., William			
	O2	5,883,627	03-16-1999	Pleyer, Sven			
	P2	5,923,307	07-13-1999	Hogle IV, Francis			
	Q2	5,963,197	10-05-1999	Bacon et al.			
	R2	5,999,191	12-07-1999	Frank et al.			
	S2	6,005,654	12-21-1999	Kipfer et al.			
	T2	6,016,385	01-18-2000	Yee et al.			
	U2	6,018,379	01-25-2000	Mizobata et al.			
	V2	6,031,530	02-29-2000	Trueblood, John			
	W2	6,037,937	03-14-2000	Beaton et al.			
	X2	6,061,110	05-09-2000	Hisatake et al.			
	Y2	6,072,489	06-06-2000	Gough et al.			
	Z2	6,075,531	06-13-2000	DeStefano, George			
	A3	6,111,614	08-29-2000	Mugura et al.			
	B3	6,118,427	09-12-2000	Buxton et al.			
	C3	6,163,318	12-19-2000	Fukuda et al.			
	D3	6,181,349	01-30-2001	Bardon et al.			
	E3	6,204,902	03-20-2001	Kim et al.			
	F3	6,239,852	05-29-2001	Oono et al.			
	G3	6,246,407	06-12-2001	Wilks et al.			
	H3	6,300,990	10-09-2001	Yamaguchi et al.			
	I3	6,317,128	11-13-2001	Harrison et al.			
	J3	6,351,298	02-26-2002	Mitsui et al.			
	K3	6,356,281	03-12-2002	Isenman, Colin			
	L3	6,369,830	04-09-2002	Brunner et al.			
	M3	6,377,229	04-23-2002	Sullivan, Alan			
	N3	6,438,515	08-20-2002	Crawford et al.			
	O3	6,443,579	09-03-2002	Myers, Kenneth			
	P3	6,466,185	10-15-2002	Sullivan et al.			
	Q3	6,468,157	10-22-2002	Hinami et al.			
	R3	6,587,118	07-01-2003	Yoneda, Michiaki			
	S3	6,609,799	08-26-2003	Myers, Kenneth			
	T3	6,661,425	12-09-2003	Hiroaki, Toshihiko			
	U3	6,693,692	02-17-2004	Kaneko et al.			
	V3	6,760,003	07-06-2004	Sase, Masahiro			
	W3	6,771,327	08-03-2004	Sekiguchi, Kanetaka			
	X3	2001/0026625	10-04-2001	Azima et al.			
	Y3	2002/0093516	07-18-2002	Brunner et al.			
	Z3	2002/0163728	11-07-2002	Myers, Kenneth			
	A4	2002/0163729	11-07-2002	Myers, Kenneth			
	B4	2003/0132895	07-17-2003	Berstis, Viktors			
	C4	2003/0184665	10-02-2003	Berstis, Viktors			
	D4	2004/0239582	12-02-2004	Seymour, Bruce			

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	E4	24538/00	08-29-2000	AU				
	F4	24806/00	07-03-2000	AU				
	G4	68219/01	12-17-2001	AU				
	H4	82482/98	09-06-1998	AU				
	I4	1011678	12-07-1999	BE				
	J4	2009960	09-21-1990	CA				
	K4	2075807	08-13-1991	CA				

	L4	2139696	07-07-1995	CA				
	M4	2320694	08-26-1999	CA				
	N4	19920789	05-04-2000	DE				
	O4	2730785	01-25-1979	DE				
	P4	29912074	11-25-1999	DE				
	Q4	0389123	09-26-1990	EP				
	R4	0703563	03-27-1996	EP				
	S4	0802684	10-22-1997	EP				
	T4	0935191	08-11-1999	EP				
	U4	0999088	05-10-2000	EP				
	V4	1057070	08-26-1999	EP				
	W4	1093008	04-18-2001	EP				
	X4	1151430	08-17-2000	EP				
	Y4	1177527	11-16-2000	EP				
	Z4	1287401	03-05-2003	EP				
	A5	454423	10-30-1991	EP				
	B5	595387	05-04-1994	EP				
	C5	662669	01-06-1994	EP				
	D5	2145897	04-03-1985	GB				
	E5	2245092	12-18-1991	GB				
	F5	2312584	10-29-1997	GB				
	G5	2347003	08-23-2000	GB				
	H5	2372618	08-28-2002	GB				
	I5	93472	11-11-1994	IL				
	J5	09-033858	02-07-1997	JP				
	K5	10003355	01-06-1998	JP				
	L5	10039782	02-13-1998	JP				
	M5	10039821	02-13-1998	JP				
	N5	10105829	04-24-1998	JP				
	O5	10228347	08-25-1998	JP				
	P5	11205822	07-30-1999	JP				
	Q5	2000-142173	05-23-2000	JP				
	R5	2000-347645	12-15-2000	JP				
	S5	2001-215332	04-02-2002	JP				
	T5	2002-099223	10-14-2003	JP				
	U5	2002-350772	12-04-2002	JP				
	V5	3021902	01-30-1991	JP				
	W5	3174580	07-29-1991	JP				
	X5	3226095	10-07-1991	JP				
	Y5	4191755	07-10-1992	JP				
	Z5	6274305	09-30-1994	JP				
	A6	8030388	02-02-1996	JP				
	B6	8036375	02-06-1996	JP				
	C6	8095741	04-12-1996	JP				
	D6	9282357	10-31-1997	JP				
	E6	9308769	12-02-1997	JP				
	F6	1005868	10-23-1997	NL				
	G6	20005178	04-17-2001	NO				
	H6	343229	04-23-2001	PL				
	I6	00/036578	06-22-2000	WO				
	J6	00/048167	08-17-2000	WO				
	K6	00/68887	11-16-2000	WO				
	L6	01/01290	01-04-2001	WO				
	M6	01/095019	12-13-2001	WO				
	N6	02/091033	11-14-2002	WO				
	O6	03/003109	01-09-2003	WO				

	P6	91/12554	08-22-1991	WO				
	Q6	98/47106	10-22-1998	WO				
	R6	99/42889	08-26-1999	WO				
	S6	9703025	11-04-1997	ZA				

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	T6	"CLEARBOARD 1991-1994," http://web.media.mit.edu/~ishii/CB.html
	U6	"TEAMWORKSTATION 1989-1994," http://web.media.mit.edu/~ishii/TWS.html
	V6	"TEXTARC: AN ALTERNATE WAY TO VIEW A TEXT," http://textarc.org
	W6	"TEXTARC: NYSCA GRANT AND PUBLIC INSTALLATION," http://textarc.org
	X6	"TEXTARC: THE PRINT AND THE ARTIST," http://textarc.org
	Y6	Harrison et al., "Transparent Layered User Interfaces: An Evaluation of a Display Design to Enhance Focused and Divided Attention" ACM, 13 pages, 1995
	Z6	Ishii et al., "Iterative Design of Seamless Collaboration Media", Communications of the ACM, August 1994, Volume 37, Pages 83-97.
	A7	Office Action 10/048,638 06/06/2007
	B7	Office Action 10/048,638 06/26/2006
	C7	Office Action 10/048,638 09/30/2004
	D7	Office Action 10/048,638 10/17/2005
	E7	Office Action 10/048,638 11/27/2007
	F7	Office Action 10/048,966 01/12/2006
	G7	Office Action 10/048,966 01/27/2005
	H7	Office Action 10/048,966 03/15/2006
	I7	Office Action 10/048,966 05/02/2007
	J7	Office Action 10/048,966 05/03/2006
	K7	Office Action 10/048,966 07/14/2005
	L7	Office Action 10/048,966 08/18/2006
	M7	Office Action 10/049,272 01/23/2006
	N7	Office Action 10/049,272 03/25/2008
	O7	Office Action 10/049,272 05/21/2007
	P7	Office Action 10/049,272 07/13/2005
	Q7	Office Action 10/049,272 07/26/2004
	R7	Office Action 10/049,272 08/28/2006
	S7	Office Action 10/049,272 10/12/2007
	T7	Office Action 10/049,272 11/29/2004
	U7	Office Action 10/049,272 12/14/2007
	V7	Office Action 10/049,272 12/31/2003
	W7	Office Action 10/476,590 03/03/2006
	X7	Office Action 10/476,590 04/19/2007
	Y7	Office Action 10/476,590 10/06/2006
	Z7	Office Action 10/476,590 10/16/2007
	A8	Office Action 10/476,590 10/16/2007
	B8	Office Action 10/489,101 03/29/2006
	C8	Office Action 10/489,101 07/16/2007
	D8	Office Action 10/489,101 07/28/2005
	E8	Office Action 10/489,101 11/22/2005
Examiner		

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.